

# NGA centrifugal electropumps with open impeller

Centrifugal pumps made of cast iron, equipped with open impeller, ideal for transferring liquids containing impurities



## RANGE OF PERFORMANCE

Flow rate up to 350 l/min (21 m<sup>3</sup>/h)  
Head up to 20 m

## LIMITS OF USE

Manometric suction height up to 7 m  
Liquid temperature up to + 90°C  
Liquid temperature up to + 40°C in the NGAX version (with technopolymer impeller)  
Environment temperature up to + 40°C  
Passage of solid bodies Ø 10 mm

## EXECUTION AND SAFETY STANDARDS

EN 60034-1  
IEC 34-1  
CEI 2-3



## USES AND INSTALLATIONS

They are recommended for pumping water and liquids that are chemically non aggressive for the materials of which the pump is made.

**THE CONSTRUCTIVE SOLUTION OF THE OPEN IMPELLER ALLOWS PUMPING OF LIQUIDS RELATIVELY LOADED WITH IMPURITIES WITHOUT RISK OF CLOGGING THE IMPELLER. FOR THIS CHARACTERISTIC THE PUMPS IN THE NGA SERIES ARE SPECIFICALLY USED IN INDUSTRY, FOR THE TRANSFER OF WATER FROM CANALS, RIVERS, RESERVOIRS, TANKS, ETC.**

The pumps must be installed in enclosed places, or at least protected against inclement weather.

**GUARANTEE 2 YEARS** according to our general terms of sale.

## CONSTRUCTION CHARACTERISTICS

- **PUMP BODY:** cast iron, with threaded inlets ISO 228/1.
- **PUMP BODY COVER:** stainless steel AISI 304.
- **OPEN IMPELLER:** stainless steel AISI 316.
- **MOTOR SHAFT:** stainless steel EN 10088-3 - 1.4104.
- **MECHANICAL SEAL:** ceramic - graphite - NBR.
- **ELECTRIC MOTOR:** the pumps are coupled to a PEDROLLO electric motor with specially calculated dimensions, silent-running, closed, with external ventilation, suitable for continuous duty.  
**NGAm:** single-phase 230V - 50 Hz with condenser and thermal overload protector built into the winding.  
**NGA:** three-phase 230/400 V - 50 Hz.
- **INSULATION:** class F. ● **PROTECTION:** IP 44.

## EXECUTIONS ON REQUEST

- ⇒ electropumps with impeller in **technopolymer** (NGAm...X - NGA...X)
- ⇒ special mechanical seal
- ⇒ other voltages or frequency 60 Hz

